SOUND WALL PLANS FORMAT FOR PROJECTS BY OFFICE OF STRUCTURE DESIGN [1]

A 'PROJECT SOUND WALL PLAN' indicating the location of all sound walls will be developed for each project. Single wall projects, depending on size, may retain the 'GENERAL PLAN' format or may use the 'PROJECT SOUND WALL PLAN' format. The District strip map may be used as a base. Signature blocks, etc., will be the same as the current 'GENERAL PLAN' sheet and these sheets may be used by modifying the title block. Sufficient small scale typical sections will be shown on the 'PROJECT SOUND WALL PLAN' to indicate sound wall configuration and materials used. The heights of the sound walls or the range of heights, if they should vary, will also be shown. The 'PROJECT SOUND WALL PLAN' will have an "Index to Plans" which combines all sheets for each sound wall unit within the project.

Example:

Index to Plans

Sheet No.	Title
1	Project Sound Wall Plan
2-6	Sound Wall No. 132
7-8	Sound Wall No. 140
9-10	Casitas Ave. U.C. Sound Wall
11-12	*(etc.)*
84	----------
85	"L" Wall Details No. 2
86	Sound Wall Details No. 1
87	Sound Wall Details No. 2
88	Access Gate - Sound Wall/Masonry on Barrier 5'-0" Gate - Details No. 1
89	----------

Note that the detail sheets may be common to more than one sound wall unit.

Exception to common details:

For "As Built Plan" purposes it will be necessary to furnish individual details for each sound wall unit that is constructed on a bridge structure. The bridge number must be shown on all bridge sound wall sheets.

[1] Most of our Sound Wall Design Plans are supplements to District Plans. Instructions herein pertain to those projects that Office of Structure are entirely responsible for.

Supersedes Memo to Designers 22-5 dated September 1981

'STRUCTURE PLANS' will be developed on detail paper for each sound wall unit in lieu of the 'GENERAL PLANS'. Signature blocks etc., will be the same as those currently used on detail paper. A more detailed "Index to Plans" will be shown on the 'STRUCTURE PLAN' for each sound wall.

Example:

Sound Wall No. 132

Index to Plans

Sheet No.	Title
2	Structure Plan No. 1
3	Structure Plan No. 2
4	Wall and Miscellaneous Details
5	Sound Wall - Masonry Block on Pile Cap - Details No. 1
6	Sound Wall - Masonry Block on Pile Cap - Details No. 2
85	"L" Wall Details No. 2
88	Access Gate - Sound Wall/Masonry on Barrier 5'-0" Gate - Details No. 1
89	Access Gate - Sound Wall/Masonry on Barrier 5'-0" Gate - Details No. 2

The approximate quantities for the sound wall unit will be listed on the 'STRUCTURE PLAN' for each sound wall.

In order to identify the plans it will be necessary to add the name of the sound wall unit to the title blocks. The added title will be located immediately above the project title.

Examples:

SOUND WALL NO. 132
PASADENA SOUND WALL PROJECT NO. 1
STRUCTURE PLAN NO. 1

SOUND WALL NO. 132
PASADENA SOUND WALL PROJECT NO. 1
WALL AND MISCELLANEOUS DETAILS

SOUND WALL NO. 132
PASADENA SOUND WALL PROJECT NO. 1
SOUND WALL MASONRY BLOCK ON PILE CAP
DETAILS NO. 1

STANDARD DETAILS
PASADENA SOUND WALL PROJECT NO. 1
"L" WALL DETAILS NO. 2

Sound Wall Project Coordination

In order to expedite project completion, copies of applicable sound wall project data should be sent to the Engineering Geology and Technical Services Branch of the Transportation Laboratory and the Aesthetics and Models Section as soon as possible after receiving it from the District. Transmittal should include an expected date for the return of the required information. The approximate time required for the geology investigation is a function of the project size and may be taken from the Sound Wall Scheduling Graphs that are shown in Memo to Designers 1-22. It can be anticipated that the Aesthetics and Models Section will request additional elevation view drawings that are of the same horizontal and vertical scales and that are of sufficient size to delineate proposed architectural treatments.

Distribution of Plans

The distribution of the 'PROJECT SOUND WALL PLAN' will be the same as specified for 'GENERAL PLAN' in Memo 1-5 except none will be required for the Design Supervisor or the Planning Coordination Section.

The 'STRUCTURE PLANS' will be forwarded to the District as unchecked details as soon as possible for an early review.

All other plans distribution will be the same as specified in Memo 1-5.

Foundations

"Log of Test Borings" sheets should be included in the Project Plans.

A review of the foundation design by the Engineering Geology and Technical Services Branch will be required only if the design varied from the foundation recommendations.

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RWB/mp